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Date of Deposit: 11/08/2001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: C. Frank Bennett and Kenneth Dobie

For: Antisense Modulation of thyroid hormone receptor interactor 6 Expression

BOX SEQUENCE

Assistant Commissioner for Patents

Washington DC 20231

PATENT APPLICATION TRANSMITTAL LETTER

Transmitted herewith for filing, please find the following:

- The specification of the above-referenced patent application;
- An **executed** Declaration or Oath and Power of Attorney;
- An Assignment of the invention to **Isis Pharmaceuticals Inc.** with recordation cover sheet (PTO Form PTO-1595) and \$40.00 cover fee;
- Statement to Support Filing and Submission of DNA/Amino Acid Sequences in Accordance with 37 CFR § 1.821 through 1.825;
- Sequence listing in computer readable form in accordance with 37 C.F.R. § 1.821(e);
- An Information Disclosure Statement with references; and
- Applicant claims small entity status pursuant to 37 CFR § 1.27.

The filing fee has been calculated as shown below:

For:	No. Filed	No. Extra	Rate	Fee
BASE FEE				\$370.00
Total Claims	20 - 20 =	0	X \$9=	\$0
Indep. Claims	2 - 3 =	0	x\$40=	\$0
TOTAL				\$ 370.00

The Commissioner is hereby authorized to charge the following fees to Deposit Account No. 500252:

- the amount of \$410.00 for the above listed fees;
- payment of the following fees associated with this communication or credit any overpayment;
- any additional filing fees required under 37 CFR 1.16 including fees for presentation of extra claims; and
- any additional patent application processing fees under 37 CFR 1.17 and under 37 CFR 1.20 (d).

Triplicate copies of this transmittal are enclosed.

Date: November 8, 2001

Donna T. Ward

Donna T. Ward

Registration No. 48,271

Isis Pharmaceuticals, Inc.

Please address all correspondence to:

Jane Massey Licata or Kathleen A. Tyrrell

Licata & Tyrrell, P.C.

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The figure consists of two separate line graphs. The left graph plots 'Rate of reaction' on the y-axis against 'Temperature (°C)' on the x-axis. The curve starts at a low rate at 10°C, rises to a peak at 30°C, and then declines at 40°C. The right graph also plots 'Rate of reaction' on the y-axis against 'Temperature (°C)' on the x-axis. This curve shows a steep, exponential increase in the rate of reaction as temperature rises from 10°C to 30°C, and then the rate levels off or plateaus at 40°C.

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Date of Deposit: 11/08/2001

Inventor(s): C. Frank Bennett and Kenneth Dobie

Filing Date: herewith

BOX SEQUENCE  
Assistant Commissioner for Patents  
Washington, D.C., 20231

I hereby state, in accordance with the requirements of 37 C.F.R. §1.821(f), that the contents of the paper and computer readable copies of the Sequence Listing, submitted in accordance with 37 C.F.R. §1.821(c) and (e), respectively, are the same.

Respectfully submitted,

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